

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 10 (Currently Amended) A method for regulating fertility without additional use of a follicular sex steroid comprising administering to a patient in need thereof a pharmaceutical composition comprising a 17-Chloro-D homosteroid of formula I according to claim 12.

Claim 15 (Currently Amended) A process for the production of a 17-chloro-D-homosteroid of the formula I according to claim 12,

[paste structure]

(I)

comprising converting a 17-chloro-1,3,5(10),16-tetraene-17-one of formula II

[paste structure]

(II)

in which

R<sub>1</sub> is a hydrogen atom, a C<sub>1-5</sub> alkyl radical, a C<sub>1-6</sub> alkanoyl radical or a benzoyl radical,

R<sub>2</sub> is C<sub>1-6</sub> alkyl group,

with a magnesium-organic reagent of general formula BrMg alkyl, BrMg alkenyl or BrMg alkynyl or with acetylene or an alkyl- or aryl-substituted acetylene in the presence of a base, or with a lithium-organic compound, or with a silicon-organic compound into a 17 $\alpha$ -substituted compound of formula III,

[paste structure]

(III)

in which

R<sub>1</sub> is a hydrogen atom, a C<sub>1-6</sub> alkyl radical, a C<sub>1-6</sub> alkanoyl radical or a benzoyl radical,

R<sub>2</sub> is a C<sub>1-6</sub> alkyl group,

R<sub>3</sub> is a hydrogen atom, a metal atom or a silyl group, and

R<sub>4</sub> is a hydrogen atom, a C<sub>1-6</sub> alkyl group, a C<sub>n</sub>F<sub>2n-1</sub> group, in which n=1, 2 or 3, or a C≡CR<sub>5</sub> group, in which R<sub>5</sub> is a hydrogen atom, a C<sub>1-6</sub> alkyl radical or an unsubstituted or substituted phenyl radical,

whereby wherein in the case of R<sub>3</sub> = hydrogen, the free 17 $\alpha$ -ethynyl compound of general formula III is further modified by a SONAGASHIRA reaction to form compounds with R<sub>3</sub> = C<sub>6</sub>H<sub>4</sub>R<sub>6</sub>, in which R<sub>6</sub> stands for a free or substituted hydroxyl group, amino group, thiol group, sulfamate group, sulfonyl group or a C<sub>1-6</sub> alkyl group or a C<sub>6-12</sub> aryl group.

Claim 17 (Currently Amended) The process according to claim 15, wherein said compound of formula H III, in which R<sub>1</sub> is an acyl radical, is converted by ether cleavage into a free hydroxyl groups.

Claim 18 (Currently Amended) The process according to claim 15, wherein said

compound of formula H III in which  $R_3$  is a hydrogen atom, is converted into ethers or esters.

Claim 19 (Currently Amended) A method for contraception in women comprising administering to a woman in need thereof a therapeutically effective amount of a compound of formula I according to claim 12.

Claim 20 (Currently Amended) A method for contraception in men comprising administering to a man in need thereof a therapeutically effective amount of a compound of formula I according to claim 12.

Claim 21 (Currently Amended) A method for treating benign or malignant proliferative diseases of the ovary comprising administering to a patient in need thereof a therapeutically effective amount of a compound of formula I according to claim 12.

Claim 25 (Currently Amended) A pharmaceutical composition according to claim 24 +2, further comprising a GnRH antagonist, a progesterone receptor antagonist, a mesoprogesterin, a gestagen or a tissue-selective gestagen.